

BEC 6300VNL

GigaConnect® 4G/LTE VoIP Wireless Broadband Router

Quick Start Guide

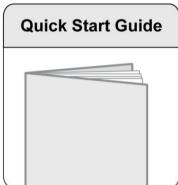


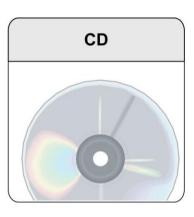
PLEASE READ THE QUICK START GUIDE AND FOLLOW THE STEPS CAREFULLY. THIS QUICK START GUIDE WILL HELP YOU INSTALL THE DEVICE PROPERLY AND AVOID IMPROPER USAGE. YOU NEED MORE INFORMATION ON THIS SOFTWARE CONFIGURATION, PLEASE REFER TO THE USER MANUAL ON CD-ROM.

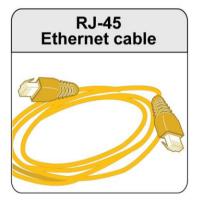
Package Contents

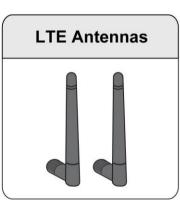
- BEC 6300VNL 4G/LTE VoIP Wireless Broadband Router
- **This Quick Start Guide**
- **CD** containing the user manual
- **RJ-45 Ethernet cable**
- Two 4G/LTE detachable antennas
- Power adapter

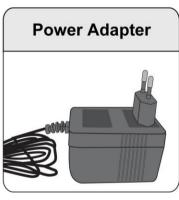














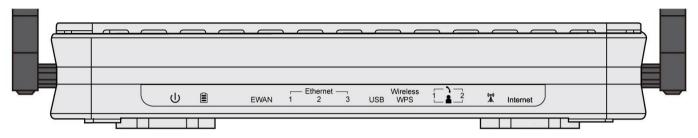
- Do not use the router in high humidity or high temperatures.
- Do not use the same power source for the router as other equipment.
- Do not open or repair the case yourself. If the router is too hot, turn off the power immediately and have it repaired at a qualified service center.
- Avoid using this product and all accessories outdoors.

Place the router on a stable surface.



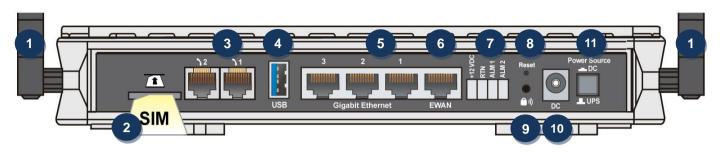
- Only use the power adapter that comes with the package. Using a different voltage rating power adaptor may damage the router.

Front Panel LEDs



LED	STATUS	DESCRIPTION		
Power U	Green	System is up and ready		
	Red	Boot failure		
	Green	UPS is functional properly		
	Orange	UPS battery failure. Need to replace a new battery		
Battery	Orange blinking	UPS AC power failure and battery functional properly		
	Off	Device powered by the DC power adaptor		
	Lit up	BEC 6300VNL is successfully connected with a broadband connection device.		
EWAN	Green	Transmission speed is at Gigabit speed (1000Mbps)		
LVAN	Orange	Transmission speed is at 10/100Mbps		
	Blinking	Data being transmitted/received		
Ethernet Port	Green	Transmission speed is at Gigabit speed (1000Mbps)		
LAN 1 ~ 3	Orange	Transmission speed is at 10/100Mbps		
	Blinking	Data being transmitted/received		
USB	Green	Connecting to a USB dongle or a hard drive.		
	Green	Wireless connection established		
Wireless/WPS	Green blinking	Data being transmitted / received		
	Orange	WPS configuration is in progress		
Phone	Green	Successfully registered and ready to be used.		
	Orange	Phone is off-hook, in-use		
	Green	RSSI greater than -69 dBm. Excellent signal condition		
(((•))) LTE (Received Signal Strength Indicator)	Green Flashing quickly	RSSI from -81 to -69 dBm. Good signal condition		
	Orange Flashing quickly	RSSI from -99 to -81 dBm. Fair signal condition.		
	Orange Flashing slowly	RSSI less than -99 dBm. Poor signal condition.		
	Orange	No signal and the 4G_LTE module is in service		
	Off	No LTE module or LTE module fails		
Internet	Green	IP connected and traffic is passing thru the device.		
	Red	IP request failed.		
	Off	BEC 6300VNL is either in bridged mode or WAN connection not ready.		

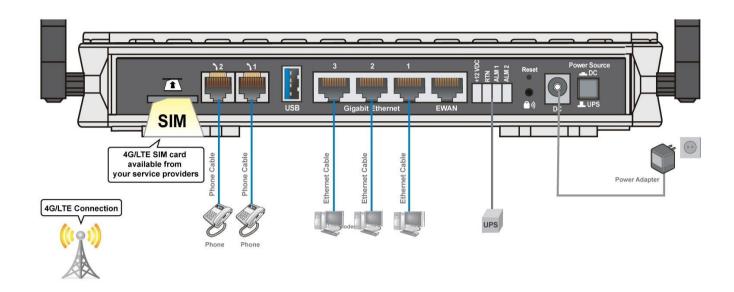
Rear Panel Connectors



PORT		MEANING			
1	LTE Antenna	Screw the supplied LTE antennas onto the antenna connectors on both sides.			
2 SIM	SIM Card Slot	Insert the mini SIM card (2FF) with the gold contact facing down. Push the mini SIM card (2FF) inwards to eject it			
3	Phone (1X-2X)	Connect your analog phone to this port with a RJ-11 cable.			
4	USB	 The USB can either setup for 3G/4G LTE internet access or storage/file sharing. (1) For File Sharing: Connect an external USB dongle / hard drive for storage, network sharing, etc (2) For 3G/4G LTE Internet Connection: Connect with an external USB 3G/4G LTE modem or dongle with an activate data plan (internet access). 			
5	Gigabit LAN Ethernet (1~3)	Connect a UTP Ethernet cable (Cat-5 or Cat-5e) to one of the four LAN ports when connecting to a PC or an office/home network of 10Mbps /100Mbps /1000Mbps			
6	Gigabit EWAN	Connect to Fiber/ Cable/ xDSL Modem with a RJ-45 cable			
7	UPS Jack	The 4-pin connectors are used to power the device with an external UPS battery backup.			
8	Reset	After the device is powered on, press it 6 seconds or above : to restore to factory default settings (this is used when you cannot login to the router, e.g. forgot your password)			
a " w)	WPS & Wireless On/Off	By controlling the pressing time, users can achieve two different effects: (1) WPS ^{*1} : Press &hold the button for less than 6 seconds to trigger WPS function. (2) Wireless ON/OFF button: Press & hold the button for more than 6 seconds to On/Off the wireless.			
10	Power Jack (DC)	Connect the supplied Power Adapter to this jack.			
11	Power Source	Power ON/OFF switch (1) with Power Switch ON: power up by the supplied DC power adaptor (2) with Power Switch OFF: power up by the UPS battery unit			

^{*} Note: 1. For WPS configuration, please refer to the WPS section in the User Manual.

Hardware Connection



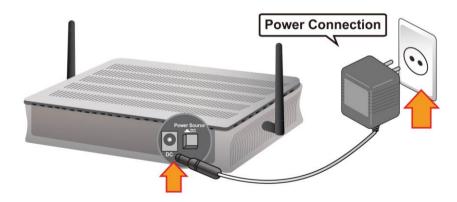
Hardware Installation

1. Power Connection

Select power source from using a (1) DC power adapter or (2) UPS (Uninterruptible Power Supply)

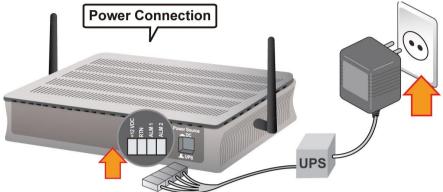
1.1 Using the Supplied DC Power Adaptor

Plug in the supplied power adapter to the wall jack, the other side to the 6300VNL then power **ON** the 6300VNL by pressing the Power On/Off button.



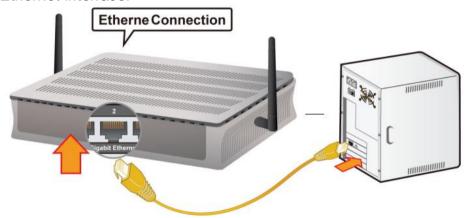
1.2 Using a UPS Battery Unit

Power **OFF** the power source button and plug the uninterruptible power supply (UPS) to the device; it's an electrical apparatus that can provide emergency power when the main power source fails. **<Please refer to User Manual for detail instruction.>**



2. LAN Connection

Connect the supplied RJ-45 Ethernet cable to one of the Ethernet ports, and the other side to the PC's Ethernet interface.



3. WAN Link Interface and Connection

BEC 6300VNL supports failover and fallback on multiple WAN interfaces, 4G LTE, EWAN and USB 3G/4G LTE. <Please refer to User Manual for detailed Internet setup>

3.1 4G LTE Connection

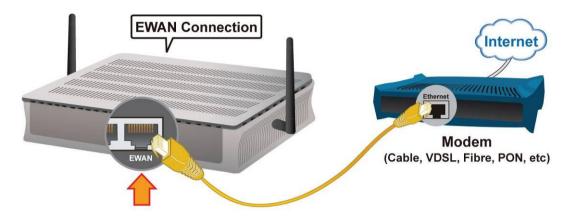
Slide the SIM card into the card slot of the device with the gold contact facing down. Make sure that the SIM card has been slid into the bottom of the slot with a click. When removing the SIM card, press the SIM card again it will be ejected from the card slot.



WARNING: Please power off the device before inserting or removing the SIM

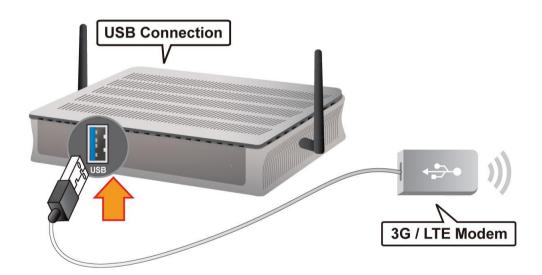
3.2 EWAN Connection

Connect RJ-45 Ethernet cable to the **EWAN port**, and connect the other side to another alternative broadband device, such as Cable Modem, VDSL, Fiber Modem or PON optic lines.



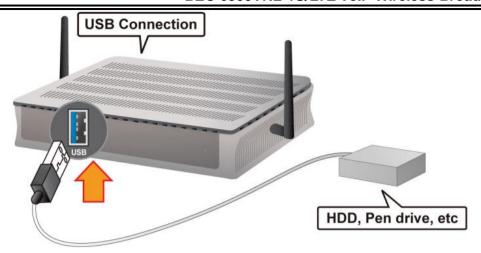
3.3 USB 3G/4G LTE Connection

Connect a USB 3G/4G LTE dongle or modem with an activate data plan to the **USB port**.



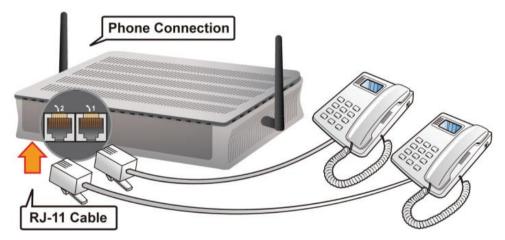
4. USB for Network File Sharing

BEC 6300VNL has built-in FTP and Samba Servers, Simply plug in an external USB HD then follow the instruction setup in the User Guide.



6. Phone Connection

Connect RJ-11 cable to the router's "Phone 1" or "Phone 2" when connecting to an analog phone set. Both ports ("Phone 1" and "Phone 2") can make VoIP calls simultaneously. But only one phone is allowed to make PSTN call at the same time.



Connecting to the Router

The default IP of modem is **192.168.1.254** with subnet 255.255.25.0. Make sure the attached PC to this router is in the same subnet and has an IP address in the range between 192.168.1.1 ~ 192.168.1.253.

Open a web browser and type http://192.168.1.254 in the URL address bar.



The login prompt will appear. Input the default username (**admin**) and password (**admin**) for Account type, Administrator. *This username / password may vary by different Internet Service Providers.

Quick Setup Your Router

Before start configuring the 6300VNL, make sure you have the WAN port connected with your Internet box or fiber line.

Step 1: Change administration password

Setup a new password for "admin" account for device management. The default password is "admin". Click Continue to go on to the next step.

*The password may vary by different Internet Service Providers.

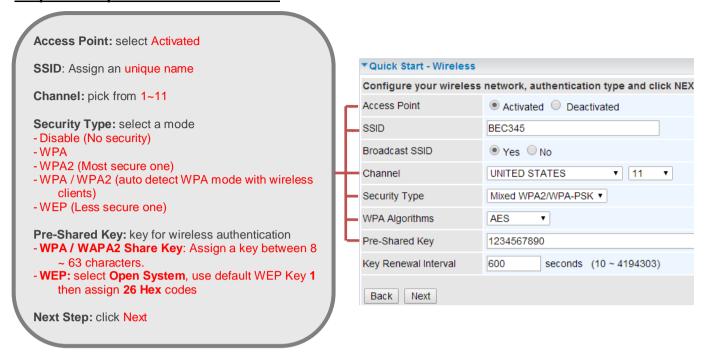
New Password: assign a new,	▼Quick Start - Password
unique password	You may change the admin account password by entering in a new passw
Confirm Password: re-enter the	New Password
new password again	Confirm Password
Next Step: click Next	Back Next

Step 2: Time Zone configuration

Enable and select your Time Zone then click Continue to go on to the next step.

		▼Quick Start - Time Zone		
Time Zone: select your time zone		Select the appropriate time zone for your location and click NEXT to continue		
Next Step: click Next	L	Time Zone	(GMT-06:00) Central Time (US & Canada), Maxico	
Next Step. Click Next		Back Next		

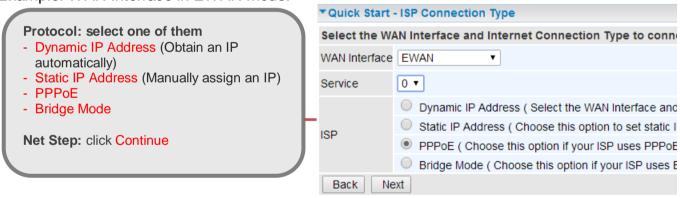
Step 3: Setup Wireless Connection



Step 4: WAN / Internet Connection Setup

Select the appropriate WAN protocol then fill out the information provided by your ISP in all relevant parameters.

Example: WAN Interface in EWAN mode.



Step 5: Save Confirmation Settings

Click "Next" to save and complete the Quick Setup. You should now be able to access to the Internet.

Please see the relevant sections of User Manual for detailed information.

Troubleshooting

1. None of the LEDs are on when you turn on the router.

Check the connection between the adapter and the router. If the error persists, you may have a hardware problem. In this case you should contact technical support.

2. You have forgotten your router login and/or password.

Try the default login and password, please refer to User Manual. If this fails, you can restore your router to its factory settings by holding the Reset button on the back of your router for 6 seconds or more.

3. Can't ping any PCs on the LAN.

Check the Ethernet LEDs on the front panel. The LED should be on for a port that has a PC connected. If it is off, check the cables between your router and the PC. Make sure you have uninstalled any software firewall for troubleshooting. Verify that the IP address and the subnet mask are consistent between the router and the workstations.

Product Support and Contact Information

Most problems can be solved by referring to the **Troubleshooting** section in the User Manual. If you have other inquiries or need further technical support, please contact with your Internet Service Provider or visit us at www.bectechnologies.net.